

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement accompanies the new patent application submitted herewith of the following Inventors: Tianmin ZHU, Ker YU, Judy LUCAS, Jianxin GU, Arie ZASK;

For: WATER SOLUBLE WORTMANNIN DERIVATIVES.

1. Preliminary Statements

In accordance with 37 CFR 1.97 and 1.98, Applicants submit herewith patents, publications, or other information of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56. This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) the information is material to the examination of this application; (iii) additional information material to the examination of this application does not exist; (iv) the information, protocols, results and the like reported by third parties are accurate or enabling; or (v) the information constitutes prior art to the subject invention.

2. ☐ Previously Cited Information

No copy of the patents, publications or other information cited on the attached form PTO-1449 is enclosed because it has been previously cited by or submitted to the Office in a prior application which is relied upon for an earlier filing date under 35 USC 120. Prior application is Application Number _____ filed on _____ of _____ for _____.

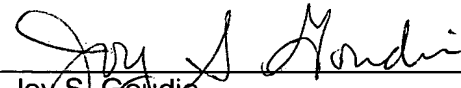
CERTIFICATE OF MAILING 37 CFR §1.10

I hereby certify that this paper and the documents referred to as enclosed therein are being deposited with the United States Postal Service on the date written below in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number ER672184747US addressed to the Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

April 20, 2004
Date

Ann Peterson
Ann Peterson

3. ☒ Newly Cited Information
A legible copy of the patents, publications or other information cited on the attached form PTO-1449 is enclosed, except that no copy of a pending U.S. application, a U.S. patent, or a U.S. patent application publication is enclosed.
4. ☐ Concise Explanation
Documents cited above which are not in the English Language
a. ☐ have been explained in the specification.
b. ☐ have an abstract (or other concise explanation) in English enclosed or, if readily available, a translation into English of the document is enclosed.
5. Form PTO-1449 is enclosed in duplicate.
6. Customer Number 25291.



Joy S. Gouldie
Attorney for Applicants
Reg. No. 48,146

Wyeth
Patent Law Department
Five Giralda Farms
Madison, NJ 07940
Tel. No. (845) 602-2126

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Tianmin Zhu	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	
				AM101007	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number (If known)	Kind Code (If Known)			
	1.	US5,362,718		Skotnicki et al.	11-08-1994	
	2.	US5,378,725		Bonjouklian et al.	01-03-1995	
	3.	US5,441,947		Dodge et al.	08-15-1995	
	4.	US5,468,773		Dodge et al.	11-21-1995	
	5.	US5,480,906		Creemer et al.	01-02-1996	
	6.	US5,614,549		Greenwald et al.	03-25-1997	
	7.	US5,648,506		Desai et al.	07-15-1997	
	8.	US5,756,593		Martinez et al.	05-26-1998	
	9.	US5,780,462		Lee et al.	07-14-1998	
	10.	US5,824,701		Greenwald et al.	10-20-1998	
	11.	US5,880,131		Greenwald et al.	03-09-1999	
	12.	US6,399,626B1		Zhu et al.	06-04-2002	
	13.	US6,432,973B1		Zhu et al.	08-13-2002	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (If Known)				
	14.		DT 2022452		DT	12-17-1970		<input type="checkbox"/>
	15.		EPO 0641566A1		EPO	08-24-1994		<input type="checkbox"/>
	16.		WO 93/24476		PCT	12-09-1993		<input type="checkbox"/>
	17.		WO 94/05283		PCT	03-17-1994		<input type="checkbox"/>

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T
	18.	KWAK, et al., Involvement of PTEN in Airway Hyperresponsiveness and Inflammation in Bronchial Asthma, J. Clin. Invest. 111:1083-1092 (2003)	<input type="checkbox"/>	
	19.	BEBBINGTON, et al., Prodrug and Covalent Linker Strategies for the Solubilization of Dual-Action Antioxidants/Iron Chelators, Bioorg. Med. Chem. Lett. 12:3297-3300 (2002)	<input type="checkbox"/>	
	20.	CREEMER, et al., Synthesis and In Vitro Evaluation of New Wortmannin Esters: Potent Inhibitors of Phosphatidylinositol 3-Kinase, J. Med. Chem. 39:5021-5024 (1996)	<input type="checkbox"/>	
	21.	DEWALD, et al., Two Transduction Sequences Are Necessary for Neutrophil Activation by Receptor Agonists, J. Bio. Chem. 263:31:16179-16184 (1988)	<input type="checkbox"/>	
	22.	GREENWALD, et al., Effective Drug Delivery by PEGylated Drug Conjugates, Adv. Drug Deliv. Rev. 55:217-250 (2003)	<input type="checkbox"/>	
	23.	GREENWALD, et al., Selective Phenolic Acylation of 10-Hydroxycamptothecin Using Poly (Ethylene Glycol) Carboxylic Acid, Bioorg. Med. Chem. Lett.	<input type="checkbox"/>	
	24.	FENG, et al., Synthesis and Evaluation of Water-Soluble Paclitaxel Prodrugs, Bioorg. Med. Chem. Lett. 12:3301-3303 (2002)	<input type="checkbox"/>	
	25.	GREENWALD, PEG Drugs: An Overview, J. Cont. Rel. 74:159-171 (2001)	<input type="checkbox"/>	
	26.	NORMAN, et al., Studies on the Mechanism of Phosphatidylinositol 3-Kinase Inhibition by Wortmannin and Related Analogs, J. Med. Chem. 39:1106-1111 (1996)	<input type="checkbox"/>	
	27.	VARTICOVSKI, et al., Water-Soluble HPMA Copolymer-Wortmannin Conjugate Retains Phosphoinositide 3-Kinase Inhibitory Activity In Vitro and In Vivo, J. Cont. Rel. 74:275-281 (2001)	<input type="checkbox"/>	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.